State Painting & Decorating Advisory Committee • Madison WI
Coating Application Specialist • 1-840381010-03-H
Exhibit A - Program Provisions

Approved: _____

TERM OF APPRENTICESHIP: The term of apprenticeship shall be Hybrid, which has been established to be 6,240 hours. In addition to the specified hours, the apprentice must successfully attain the competencies described in these program provisions. Hours of labor shall be the same as established for other skilled employees in the trade.

PROBATIONARY PERIOD: The probationary period shall be the first 6 months of employment, but in no case shall it exceed twelve calendar months. During the probationary period, this contract may be cancelled by the apprentice or the sponsor upon written notice to the Department, without adverse impact on the sponsor.

SCHOOL ATTENDANCE: The apprentice shall attend the Wisconsin Technical College System or other approved training provider, as assigned, for paid related instruction four hours per week or the equivalent and satisfactorily complete the prescribed course material for a minimum of 400 hours, unless otherwise approved by the Department. The employer must pay the apprentice for attended related instruction hours at the same rate per hour as for services performed.

WORK PROCESS SCHEDULE: In order to obtain well-rounded training and thereby qualify as a skilled worker in the trade, the apprentice shall have experience and training in the following areas and shall demonstrate competency, as specified herein. This instruction and experience shall include the following operations but not necessarily in the sequence given. Time spent on specific operations need not be continuous.

Work Process Description	**Approximate Hours (Min - Max)**
Health and Safety Awareness for the Coatings Application	***300 – 500***
Safe and proper use of PPE	
Demonstrate safe lifting procedures	
Set up an extension ladder properly	
Demonstrate three-point contact on a ladder	
Introduction to Industrial Painting	***350 – 450***
Demonstrate the characteristics of a professional Coatings Application Specialist	
Materials and Corrosion	***600 – 800***
Recognize the critical role of the applicator in providing protection from corrosion.	
Recognize the 8 basic forms of corrosion.	
Demonstrate the 5 basic methods of mitigating corrosion.	
Select conditions that meet project demands in various conditions and service environments.	
Set-up of a jobsite including selection of trailers, storing flammable liquids, waste thinner, hazardous lead waste, and tarps.	
Demonstrate the ability to tie knots correctly and understand the different types of knots used in Industrial applications.	
Store, handle, and transport tools, equipment and materials properly.	

Surface Preparation ***850 – 1040***

Apply proper surface preparation techniques to achieve the maximum level of protection available through protective coatings systems.
Create a surface that meets industry standards defining an achievable surface cleanliness level.
Demonstrate the safe and appropriate application of surface preparation techniques.
Demonstrate and describe the proper use, maintenance and storage of surface preparation tools and equipment.
Demonstrate solvent hand tool cleaning, safety, PPE, methods, care, and repair SSPC – SP1.
Demonstrate power tool safety, PPE, methods of use, standards, and inspection SSPC – SP3.
Demonstrate the proper setup of compressor, blast pot, and separators with control valves, hose and coupling layout.
Demonstrate abrasive blasting system operation guidelines: warnings and hazards, prestart, daily checks, start-up, operation, and shutdown.
Create a surface that meets industry standards defining an achievable surface cleanliness level.
Demonstrate the proper use, care, PPE, and inspection of water cleaning and water jetting.
Recognize and describe surface preparation of concrete in accordance with SSPC – SP13/NACE 6.
Measure ambient conditions.
Determine when to measure ambient conditions.
Recognize when coating operations should not be permitted due to adverse ambient conditions.
Identify and employ troubleshooting techniques and procedures.

Spray Applications **700 - 950**

Demonstrate proper spray techniques for each of the spray systems and troubleshoot spray pattern problems.
Demonstrate proper care and maintenance of spray equipment.
Demonstrate appropriate use and safe handling of spray equipment.
Recognize, select, and demonstrate equipment for coating applications.
Demonstrate thermo spraying methods, i.e., wire flame, powder flame, electric arc and plasma.
Demonstrate safe and proper methods to mix paint.
Demonstrate proper use of wet film thickness gauge.
Demonstrate the procedures required to clean and lubricate a spray gun.

Coatings **1100 – 1250**

Demonstrate proper use of wet film thickness gauge.
Demonstrate quality inspection procedures for monitoring ambient air, surface temperature, and surface profile.
Interpret manufacturer's catalog product data sheets to determine recommended uses and product/performance characteristics for industrial coatings.
Use Material Safety Data Sheets (MSDSs) to determine the hazards, appropriate personal protective equipment, and other safety-relevant information pertaining to the use of industrial coatings.
Use manufacturer's coating application bulletins to determine the proper surface preparation and application procedures required for use with industrial coatings.

Specialty Applications ***650 – 850***

Concrete

Account for the effect each component has on concrete composition.
Determine Alkali – Aggregate Reaction and Moisture Vapor Transmissions.
Demonstrate the treatment and repair of concrete irregularities, joints and cracks.
Demonstrate product mixing and thinning techniques.
Conduct an adhesion test of a coating over concrete.

Plural Components
Determine the appropriate use of plural component application.
Recognize and troubleshoot common problems associated with industrial coatings applied by the plural-component spray method.

Thermal Spray
Demonstrate correct and safe operating procedures during electric arc spraying.
Demonstrate the ability to apply a thermal spray coating using the arc-spray method and employ the bend test, cut test, and ensile strength bond inspection tests as described.
Employ safe operating procedures during electric arc spraying.

Waterjetting
Don and doff the proper PPE for waterjetting tasks.
Perform daily inspection procedures and identify equipment problems.
Evaluate surfaces if the required level of cleanliness has been achieved.

Powder Coatings
Demonstrate and describe the two basic powder application systems and their components.
Select the most appropriate method of powder coating application for the job.
Demonstrate the basics of operating, cleaning, and maintaining the equipment in powder coating systems.

Pipeline Coatings
Specify inspection testing of pipeline coatings to identify defects and the appropriate methods of repairing them.
Demonstrate plant and field application of pipeline coating systems with different materials and methods of application.

Electrostatic Spray
Demonstrate and describe the use of automated and manual systems.
Demonstrate operational and safety guidance.

Contractor Quality Management ***250 – 400***
Demonstrate the ability to determine WFT by notch gauge, DFT by SSPC – PA 2, adhesion by tape method, and dryness or state of cure.
Demonstrate a working knowledge of the requirements and standards that apply to the various tasks involved in the QC inspection process,

Including:
Pre-surface preparation inspection
Measurement of ambient conditions
Evaluation of compressor, air cleanliness, and surface preparation equipment
Determination of surface preparation, cleanliness, and profile
Mixing and thinning of coating materials
Evaluation of application equipment
Inspecting coating application and cleanliness between coats
Determination of wet-film and dry-film thickness
Pinhole and holiday testing
Evaluating adhesion/cure

Demonstrate how to calibrate and use the test equipment and instruments needed to verify compliance with the various QC inspection tasks.
Demonstrate how to fill out the various forms used to record the results of QC Inspections.

Paid Related Instruction	**400**
TOTAL	**6240**

The above schedule is to include all operations and such other work as is customary in the trade.

MINIMUM COMPENSATION TO BE PAID:

DWD 295.05 Apprentice Wages (1) An apprentice contract wage scale is deemed adequate when during the term of training, it averages 60% of the current journey worker rate or skilled wage rate. The apprentice contract shall provide for a graduated wage scale progressing in periods as approved by the department.

Base skilled wage rate N/A per hour.

If at any time the base skilled wage rate rises or falls, the apprentice's wage shall be adjusted proportionately. The wage rate of apprentices employed in this trade and this firm shall be based on the base skilled wage rate stated above.

All apprentices are covered by State and Federal Wage and Hour Standard requirements. All apprentices shall be paid no less than the minimum wage established under regulations.

CREDIT PROVISIONS: The apprentice, granted credit at the start or during the term of the apprenticeship, shall be paid the wage rate of the pay period to which such credit advanced the apprentice.

Work credit hours approved:	N/A
School credit hours approved:	
Paid related instruction:	N/A
Unpaid related instruction:	N/A
Total credit hours to be applied to the term of the apprenticeship:	N/A

SPECIAL PROVISIONS:

In addition to paid related school attendance, the apprentice hereby agrees to attend additional classes for a minimum total of 80 hours without compensation: the total number of required unpaid related instruction will be determined by the local committee. A Standard First Aid Course and OSHA training will be part of the required 80 hours of additional schooling.

An apprentice is his/her final year must participate in the Transition to Trainer course.